

The Commonwealth of Massachusetts

ANNUAL REPORT

OF

THE TRUSTEES

OF THE

WESTBOROUGH STATE HOSPITAL

FOR THE

YEAR ENDING NOVEMBER 30, 1929

DEPARTMENT OF MENTAL DISEASES



WESTBOROUGH STATE HOSPITAL

TRUSTEES

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ROLLIN V. HADLEY, M.D., *Assistant Superintendent*.
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BETSY COFFIN, M.D., *Senior Physician*.
———, *Senior Physician*.
EMMA H. FAY, M.D., *Assistant Physician*.
FRED E. STOKEY, M.D., *Assistant Physician*.
GEORGE E. PEATICK, M.D., *Assistant Physician*.
———, *Assistant Physician*.
ANTHONY B. GRADY, D.D.S., *Resident Dentist*.
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PERCY G. BROWNE, M.D., *Internist*.
SOLOMON C. FULLER, M.D., *Pathologist*.
CLIFFORD D. HARVEY, M.D., *Surgeon*.
ELMON R. JOHNSON, M.D., *Laryngologist*.
HOWARD MOORE, M.D., *Orthopedist*.
JOHN P. SUTHERLUND, M.D., *Internist*.
GEORGE R. SOUTHWICK, M.D., *Gynecologist*.
DEWITT G. WILCOX, M.D., *Gynecologist*.

VISITING STAFF

HARRY F. FRIEDMAN, M.D., *Roentgenologist*.
WESLEY T. LEE, M.D., *Dermatologist*.
CLEMENT F. LYNCH, M.D., *Surgeon*.
RICHARD H. NORTON, D.D.S., *Oral Surgeon*.
ROLAND O. PARRIS, M.D., *Rhinologist and Laryngologist*.
W. D. ROWLAND, M.D., *Ophthalmologist*.
HENRY M. EMMONS, M.D., *Ophthalmologist*.
EDWIN W. SMITH, M.D., *Proctologist*.
RALPH C. WIGGIN, M.D., *Urologist*.

REPORT OF THE TRUSTEES

To His Excellency, the Governor, and the Honorable Council:

The Trustees of the Westborough State Hospital present this, their forty-fifth report.

In surveying the activities of the year, we take pleasure in reporting the following as of special value and interest.

The number of patients continues large, a daily average of 1,437, while the rated capacity is 1,221, an excess of 216.

The buildings as a whole are in good condition. There are portions that have had hard usage for many years but, in several places, such worn out sections have been renovated and are as serviceable and attractive as if newly built. And, naturally, portions will need to be replaced, year by year, when they have served their usefulness. Taking the Warren Farm as an illustration: It was purchased in 1901 and added to the hospital properties, the house was old but was renovated and occupied as a colony by patients working on the grounds of that farm. Now, after twenty-eight years of use, a thorough renewal of this old building should be made.

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The Heath Farm was bought in 1907 and remodelled at that time, but after twenty-two years, it is inadequate and should be replaced by a large and modern building for the patients and employees who work on the place.

Another adjoining property, the Houghton Farm, was bought many years ago and has been a useful acquisition; but the building is old and needs to be renewed for residential purposes.

In our report of last year, mention was made of the long-used, wooden piggery and of a portion that had collapsed. This old structure has been replaced by a modern, cement building in another part of the grounds and on uncontaminated soil. There is no wood to become saturated and soured by fluids; troughs and pens can be flushed with water; food can be warmed; and a large field furnishes the animals ample space for roaming and rooting. And for the health of the occupants, preventive treatment is given by inoculations against cholera and hemorrhagic septicemia.

A new roadway has been constructed in a substantial manner across the extensive lawn in front of the main building, by which the distance to some of the colonies has been shortened. When the planting of shrubbery along its borders has been completed, it will be quite ornamental and the most attractive driveway on the grounds.

In these days, when the ownership of an automobile seems to be a necessity in most families, many of our employees find relief from their duties in short trips away from the institution; and we hope that provision may be made for housing their machines.

A very important matter for your consideration and approval is the pumping unit, necessary for the water supply.

It is interesting to compare costs of this year and costs of forty years ago, in the early days of this hospital. At that time, the legal allowance per capita was \$3.25 a week, including clothing: today, the cost has risen to \$7.57. At that time, as the annual report for 1891 states, "female nurses receive \$14 a month, for the first three months, \$16 a month for the next three months, and \$18 a month after the first half year. Male nurses receive \$20 a month, \$22.50 and \$25 at corresponding intervals. One dollar a month is added after the first year for each additional year of service." Under the present standardized scale of salaries in the state hospitals, attendants or pupil nurses begin at \$50 a month, and semi-annually the monthly rate increases \$5.00 until it becomes \$65.00 a month at the end of a year and a half. In the early days, supervisors received \$30 or \$35 a month: now a supervisor attendant begins at \$100 and increases \$5 semi-annually until \$115 a month is received at the end of a year and a half. The highest salary in this department is naturally given to the head of it, the principal of the school of nurses and she begins at \$170 a month and increases annually by \$10 until, at the end of three year, she receives \$200 a month; so that the total for the year of \$2400 compares well with the salary of \$2500 given to the medical superintendent forty years ago. Such large increases have been made from necessity of course, in order to attract competent employees and not because of a too generous disposition. The salaries and wages of employees in other departments show advances, and the cost of foods, clothing, fuel and everything used is greater, but the major reason for the increase in the per capita cost from \$3.25 to \$7.55 a week is to be found in the larger salaries, some of which are 200 and 300 per cent greater than in the early days.

It may interest our friends to learn that the income from patients of \$170,638.71, delivered to the state treasurer, was not much less than one third of \$566,916.98, the total cost of maintenance for the year. In other words, the income from those patients, who pay a part or all of their cost, reduces by \$2.27 a week the total cost of support of all the inmates in the institution. Another presentation may be that this income of \$170,638.71 pays for the board of everyone, patients and employees, which was \$167,238.98.

Our meeting day, June 13, was one of unusual interest. In addition to the routine of the meeting, there was luncheon served to members of the Consulting Board of Physicians and Surgeons and members of the Visiting Staff and the guests. It gave opportunity for the trustees and physicians to become better acquainted, and for the trustees to express to them their deep gratitude for a year

of helpful and valuable services. It was an opportunity also for their wives and others to become acquainted with the buildings and grounds and to learn what is done for the treatment, occupation and entertainment of the patients. It was to this group also that announcement was made that it was the tenth anniversary of the coming to the superintendency of Dr. Lang, and of our gratitude to him for the good work he has done in this decade of time.

On the first of June, Dr. George C. Welch died at his home in Fergus Falls, Minnesota. He had been pathologist and assistant physician in the hospital from 1887 to 1892, and then was appointed superintendent of the Fergus Falls Hospital, a position he has held with honor for thirty-four years until his physical condition compelled his resignation.

It is our sad duty to report the death of an illustrious member of our board, Dr. Charles Lemuel Nichols. At the March meeting, our loss was recorded in the following words:

"On the nineteenth day of February, 1929, one of the members of this board, Dr. Charles L. Nichols, died at his home in Worcester.

He had been one of the group of public-spirited physicians who were active in urging the establishment of a hospital for the homeopathic treatment of the insane until favorable action was taken by the General Court in 1884. After the hospital was filled with patients, it became apparent that many would be benefitted by the skilled advice and services of medical and surgical specialists; and the Consulting Board of Physicians and Surgeons was appointed by the trustees in January, 1895. Dr. Nichols was one of the ten members of that first board, and he continued in that relation for twenty-three years until he resigned his position as consultant when appointed a trustee of the hospital, in 1918. For the past eleven years, he has been attending the meetings and co-operating in the duties of this board. The service he has rendered to the hospital, during these thirty-four years, has been not only unusual in length but also of unusual value.

We are testifying only to his associations with this State institution and to the grateful appreciation all feel for his helpfulness and his personal charm. We are, however, aware of other directions in which he has labored and benefitted multitudes: as a physician in his home city; as a member of medical societies: as organizer and supporter of charities and welfare work: as a professor for a time in Boston University School of Medicine; and for many years as an efficient trustee of Brown University; as an active worker in the Red Cross during the World War: as an officer in his church, influential in religious organizations; as an author, a student of history, and a leading antiquarian, being in fact President of the American Antiquarian Society at the time of his death.

When the last page was turned in his life book, this hospital, his home city, and the State lost one whose interests and work had been always for the welfare of others, an unselfish, generous friend of all, an ideal man."

On May first, the Governor appointed Dr. John Lowell Bacon, of Southbrough, to fill the vacancy on this board.

We wish to make public our appreciation of the faithful services of the physicians. There have been times in the year when there were vacancies in the list of assistant physicians, and much extra work was necessary for those remaining. We commend also the treasurer, the steward, the engineer, the farmer, and the many nurses and attendants, all of whom strive daily in their several departments for the successful conduct of the hospital.

And we hope that a new decade of exceptional leadership will be granted to Dr. Lang for the completion of the plans already conceived and the development of others for the furtherance of the purposes for which this hospital was founded.

Respectfully submitted,

N. EMMONS PAINE, *Chairman*,

FLORA L. MASON, *Secretary*,

JOHN LOWELL BACON, M.D.,

SEWALL C. BRACKETT,

THOMAS F. DOLAN,

JOHN A. FRYE,

EMILY YOUNG O'BRIEN

Trustees.

REPORT OF THE SUPERINTENDENT

To the Board of Trustees of the Westborough State Hospital:

The forty-fourth annual report of the Superintendent of the Westborough State Hospital is respectfully submitted. The statistical tables cover the year ending September 30, 1929, but all other matters pertain to the fiscal year which ended November 30, 1929.

MOVEMENT OF PATIENT POPULATION

There were in the hospital at the end of the statistical year 1,447 patients, in family care 26, and absent but on our books 192, making a total of 1,695. The admissions numbered 496, and the discharges 422. The total number under treatment during the year was 2,117. The daily average number of patients in the hospital was 1,437.169. The appended statistical tables give detailed information concerning both those admitted and those discharged.

MAINTENANCE

There was expended for maintenance during the year \$566,916.98. This was \$6,834.42 less than was used for the same purpose in 1928. A table of the weekly per capita cost of maintenance as compared with that of other years follows. The income for the year was \$177,299.96. The per capita income was \$2.373, and this deducted from the per capita cost of \$7.585 gives a net per capita cost of \$5.213.

	WEEKLY PER CAPITA					
	1924	1925	1926	1927	1928	1929
Personal services	\$3.3896	\$3.4174	\$3.456	\$3.5715	\$3.7075	\$3.709
Travel transportation and office . . . . .	.1063	.0934	.099	.0811	.0898	.090
Food	1.3541	1.3297	1.487	1.4645	1.4667	1.552
Religious instruction . . . . .	.0192	.0191	.019	.0185	.0183	.018
Clothing and material . . . . .	.2192	.2243	.233	.2251	.2375	.220
Furnishings and household supplies . . . . .	.4241	.4665	.459	.4170	.4493	.427
Medical and general care . . . . .	.1829	.1709	.186	.1850	.1944	.197
Heat, light and power . . . . .	.7675	.8231	.563	.8203	.6269	.532
Farm . . . . .	.4022	.3476	.323	.3163	.3209	.320
Grounds . . . . .	.1443	.0974	.101	.0761	.1123	.102
Repairs, ordinary . . . . .	.2234	.2017	.210	.2049	.2112	.200
Repairs and renewals . . . . .	.3137	.3095	.307	.2562	.4055	.198
	\$7.5479	\$7.5006	\$7.445	\$7.6365	\$7.8403	\$7.585

SPECIAL APPROPRIATIONS

The only incomplected special appropriation of previous years was that for the salvage yard, of which the sum of \$1,785.01 was expended. The yard is located on the State road adjacent to the power house, and there has been erected a cyclone fence with suitable gates, enclosing an area 300 x 66 feet. Along one side of the enclosure the foundation has been prepared for a storage building, 200 x 25 feet. The building will be completed in the spring of 1930.

The Legislature of 1929 appropriated \$37,000 for additions to Codman Building. The old frame porch has been removed, and a new porch of masonry and steel has been erected in its place. An addition has been built extending from the rear center of the old building. Dining-rooms, new serving rooms, a new continuous bath section, a pack room and new bath and toilet sections have been provided. The sum expended during the fiscal year was \$26,128.10. It is planned to completely renovate the old section and to place a new entrance porch of masonry at the northwest end of the building.

SPECIAL APPROPRIATIONS REQUESTED FOR 1930

There have been requested for 1930 appropriations for the following purposes: For a new pumping unit for the Metropolitan Water Supply, and a structure for housing same, \$22,000; a new building at Heath Farm for the accommodation of 60 patients and 27 employees, \$140,000; for a garage, \$5,000; for the renovation of Warren House, \$12,000, and for the remodelling of Houghton House, \$4,000.

REPAIRS AND RENEWALS

There was expended for repairs and renewals not recurring annually the sum of \$14,780.26. The more important improvements provided under this heading were as follows: Painting of employees' homes, repairs to steam lines, renewal of water mains, the building of a settling tank, the installing of stoker grates, extension of

fire alarm system, renewal of electric wiring, weather stripping windows, copper wire screen replacements, renewing copper gutters, repairs to vacuum heating system, retubing boilers, rebuilding kitchen elevator and providing safety devices for same. There were provided electric meters, locks to complete the master system, kitchen equipment, canning equipment, tools, duplex steam pump, a tube blower, transformers, and a sewage pump. The granite steps of the main entrance were re-surfaced.

REPAIRS AND RENEWALS REQUESTED FOR 1930

The sum of \$18,600 has been requested for repairs and renewals for 1930, and this sum provides for the purchase of kitchen and dining room equipment, canning equipment, laundry machinery, floor polishers, a gasoline tank and pump, tools for the furniture shop, a centrifugal pump for handling sewage, Leonard mixers, a brine pump, a power hack saw, and an additional hand stoker. Provision is also made for retubing boiler at the blacksmith shop, new circuit breakers and ammeters; extension of fire main and providing fire hose at Richmond Colony; rewiring two nurses' homes, renewing gutters in the main group, repairs to the refrigerating system, renewal of plumbing of Childs Building, re-flooring sections of Childs Building and the West Wing, renewal of water-section at Durfee Colony San, replacing of sliding doors with swinging doors at the West Wing, and providing partitions in the entrance halls of that building.

CHANGES IN PERSONNEL

Dr. Betsy Coffin was promoted from the grade of Assistant Physician to Senior Physician on December 16, 1928. Dr. Roland B. McIntosh left the service of the hospital on February 28, 1929, by transfer to the Taunton State Hospital with promotion to the grade of Senior Physician. On April 30 the resignation of Dr. J. Merrill Olson took effect. He left the service to engage in private practice in Westborough. On April 28 Dr. Fred E. Stoney took up his duties as Assistant Physician. On July 31 Dr. George E. Peatick came to us as Assistant Physician. On October 13 Dr. William C. Gaebler was promoted from the position of Senior Physician at this hospital to Assistant Superintendent at the Foxborough State Hospital.

MEDICAL SERVICE

The medical service of the hospital has been continued along the same lines as during previous years. There have been no epidemics, and the death rate fell off appreciably. Members of the Consulting Board and Visiting Staff have continued to render invaluable service and cannot be praised too highly for the unselfish manner in which they come to our assistance when needed. They examined 133 patients, and performed 37 operations.

LABORATORY SERVICE

Dr. Lydia B. Pierce, who has filled the position of Pathologist since 1921, submits the following report: "The clinical work of the laboratory has been continued, and as always, cooperation with the Medical Staff, and an effort to render assistance in diagnosis and treatment, has been a matter of first importance. Blood counts, urinalyses and Wasserman tests have been made, as routine procedures, for each patient, and basal metabolism tests, chemical analyses of the blood, and tests of the spinal fluid have been performed for selected cases, in which these were indicated. Correlative studies of the clinical symptoms with the laboratory and X-ray findings have been made, and in fatal cases, whenever possible, these have been verified by autopsy.

In some instances the findings were unexpected. A case of death due to primary hydrocephalus was of special interest, because of its development in adult life. The patient was a woman, fifty years of age, who had been a resident in the hospital for a little more than five years. She presented the mental symptoms of dementia praecox of the paranoid type. On admission there were no neurological symptoms except a slight tremor of the extended fingers. Later she developed inequality of the pupils. She deteriorated mentally, and was noisy, but was never confined to bed. Thirty-six hours before her death she began having convulsions, which persisted until shortly before she died, when she sank into a coma. An autopsy revealed great distension of the lateral ventricles with an excess of intra ventricular fluid. No other lesion could be found to account for the patient's death.

Two pieces of equipment have been added to that of this department, a Bitukni binocular tube attachment for the Zeiss microscope, and a Fleischer spinal manometer.

The following is a list of the work accomplished by the laboratory during the year: Analyses, gastric content: Free HCl, 4; total acidity, 4; combined acidity, 4; lactic acid, 4; occult blood, 4; autopsies, 38; Babcock milk tests, 608; basal metabolism tests, 14; blood chemistry; sugar, 11; total nitrogen, 4; uric acid, 19; blood counts: red cell, 107; white cell, 503; differential, 247; haemoglobin percentage, 453; clotting time, 1; blood smears for Malaria, 2; cultures, 51; faeces, 5; inoculations, 1; renal function tests, 41; sections stained, 106; smears, bacterial, 267; spinal fluid examinations: cytological count, 18; albumin, 19; globulin, 16; colloidal gold, 19; sputum examinations, 39; tissue specimens, 7; tissues cut, 61; treatments arsphenamine, 408; mercury, 193; urinalyses, routine, 2,416; urinalyses, 24-hour: sugar, 1; urea, 9; vaccines, 1; vomitus, 15; Wassermans, 269.

PHYSIOTHERAPY DEPARTMENT

During the greater part of the year this work was carried on by Dr. William C. Gaebler, who had charge of the department until he severed his connection with the Hospital. The number of treatments given was increased over those of last year, and the results were gratifying. The Carbon Arc Ultra Violet generator gave special satisfaction in the treatment of carbuncles and other forms of infection. The number of treatments given with the various modalities was as follows: Auto-condensation, 448; Infra-red, 1,093; Ultra-Violet 1,011, Diathermy 57, massage 264, coagulations 14, and Tesla spark 112. Total 2,999. There were 627 roentgenograms made, and forty of these were patients from outside the hospital who had been referred by the physicians in Westborough. The hospital renders this service for persons who are unable to pay a professional fee, and in such instances a small charge is made to cover the cost of the films used.

DENTAL SERVICE

A resident dentist and a dental nurse have been employed constantly throughout the year, and report the following work accomplished: Bridges set and fitted 52; bridges removed and cleaned 51; crowns set and reset, 50; cleaning and scaling, 4,277; examining and charting, 4,444; extractions, 1,485; filing teeth, 155; fillings: — amalgam, 1,197; cement, 1,183; synthetic, 846; temporary, 498; plates: — impression, bite and shade, 4; plates cleaned, 852; fitted and filed, 378; repaired, 32; treatments: — gums, 2,989; oil of clove, 589; number of patients with work completed, 2,003; number of visits, 4,779; X-rays taken, 44.

SOCIAL SERVICE DEPARTMENT

During the greater portion of the year one of the two positions in this department was vacant, but in spite of this handicap much was accomplished. Many special investigations were made, the Clinics in Boston, Framingham and Marlborough were conducted as usual, and a new Clinic was established at Waltham. Patients in family care were regularly visited, and those on visit from the hospital who were unable to report at the several Clinics were visited at their homes from time to time. Employment was secured for several who were in condition to leave the hospital, and the workers assisted in the adjustment of many domestic and economic situations in cooperation with the Welfare Agencies. To our clinics, 191 individuals made 672 visits.

TRAINING SCHOOL FOR NURSES

The Training School for Nurses is again on a sound footing. An intermediate class of six is now affiliating at the Massachusetts Homeopathic Hospital and a new class of thirteen shows more than usual interest, and is making good progress. In the classrooms new equipment, and improved dining room facilities have helped greatly.

OCCUPATIONAL THERAPY DEPARTMENT

The work of this department has been conducted and extended and is of immense value to a large number of patients. In addition to the two rooms devoted solely to occupational therapy, seven ward classes have been conducted regularly, and the product of the department has done much to improve the appearance and comfort of the wards. Both instructors and patients in this department have given much assistance to the canning department during the height of its activities.

INDUSTRIES

The furniture shop, tailor shop, the male industrial room, shoe shop and sewing room have been very active, and provided useful employment to many patients.

FARM

Mr. Raymond L. Whitney, who has conducted the farm efficiently since 1921, makes the following report concerning the farm and grounds:— The season of 1929 at Westborough was peculiar. The spring being very wet, and from then until harvest time very dry. The few light showers during the summer only laid the dust for a short time.

Potatoes had to be put in fields which were dry enough to work at planting time. The more gravelly fields were planted to corn early, and the wet fields to corn when dried out enough to work the land. The crops matured well, and there was a fair crop of most things considering the dry season.

Milk production for 1929 averaged 11,781 lbs. per cow with an average of 54.37 cows milking during the year. This is the highest yearly production per cow of the past ten years at this institution.

This fall a pure bred Holstein bull was purchased. There were fourteen heifer calves raised during the year.

During March the swine were all moved to their new quarters. We now have a pigery that is convenient, well equipped, and that will be of use for many years.

There have been acquired some pure bred Duroc Jersey sows during the fall, which will be bred during 1930. A boar of this breed has been used for several years. Production on the farm was as follows: Milk, 297,000 quarts; beef, 7,613 lbs.; pork, 46,616 lbs.; apples, 47,523 lbs.; pears, 580 lbs.; grapes, 120 lbs.; strawberries, 2,377 baskets; hay, 141.8 tons; hay, green, 61.2 tons; ensilage corn, 326.8 tons; mangels, 29.7 tons; potatoes, 94,785 lbs.; asparagus, 1,583 lbs.; beans, string, 15,168 lbs.; beans, shell, 1,764 lbs.; beets 39,775 lbs.; cabbage, 46,409 lbs.; carrots, 82,410 lbs.; cauliflower, 90 lbs.; celery, 7,730 lbs.; chard, 13,125 lbs.; sweet corn, 19,440 lbs.; cucumbers, 5,280 lbs.; lettuce, 10,036 lbs.; onions, 31,108 lbs.; parsnips, 35,525 lbs.; green peas, 5,040 lbs.; peppers, 713 lbs.; radishes, 900 lbs.; rhubarb, 15,540 lbs.; spinach, 9,750 lbs.; summer squash, 8,064 lbs.; winter squash, 9,009 lbs.; tomatoes, 58,360 lbs.; turnips, 21,715 lbs.

GROUNDS

The usual attention was afforded the grounds, and improvements have been made.

A new road has been built, covered with tar, and the banks graded. This road is across the south slope from the Administration Building. Shrubbery has been set out on the borders for about half the distance. All roads were oiled.

ENTERTAINMENT

Dances, moving pictures and musical instruction have provided entertainment three evenings a week throughout the winter months. During the summer and fall, bus rides, base ball, tennis and athletic sports provided recreation for many. Ward parties and picnics were frequent occurrences. The American Legion Auxiliaries of the surrounding towns visited frequently and provided entertainment for former soldiers.

An extensive Christmas program did much toward making the holiday season a happy one.

PATIENTS' LIBRARY

By donation or purchase, 119 new books were acquired. An increasing number of patients and employees use the library regularly, and over 150 subscriptions to magazines provide this type of literature for distribution on the wards. To our many friends who donated books or magazines we extend our hearty thanks.

CONCLUSION

I wish to acknowledge my debt to heads of the various departments who through their loyal cooperation have contributed so much toward the accomplishments of the year. To members of the Medical Staff I extend my thanks for their continued effort on the behalf of our patients through periods of short-handedness which required many hours of extra work.

To members of the Board of Trustees I feel deeply grateful for their encouragement and support.

Respectfully submitted,

WALTER E. LANG, M.D., *Superintendent.*

VALUATION

November 30, 1929
REAL ESTATE

Land, 763.93 acres	\$68,770.00
Buildings	1,060,743.35

\$1,129,513.35

PERSONAL PROPERTY

Travel, transportation and office expenses	\$4,496.93
Food	15,602.92
Clothing and materials	18,555.64
Furnishings and household supplies	147,663.01
Medical and general care	10,350.13
Heat, light and power	67,541.26
Farm	43,021.85
Garage, stables and grounds	9,361.04
Repairs	3,557.72

\$320,150.50

SUMMARY

Real estate	\$1,129,513.35
Personal property	320,150.50

\$1,449,663.85

FINANCIAL REPORT

To the Department of Mental Diseases:

I respectfully submit the following report of the finances of this institution for the fiscal year ending November 30, 1929.

CASH ACOCUNT Receipts

<i>Income</i>	
Board of Patients	\$170,638.71
Personal Services:	
Reimbursement from Board of Retirement	167.90
Sales:	
Travel, transportation and office expenses	\$48.12
Food	3,252.13
Clothing and materials	46.77
Furnishings and household supplies	45.40
Medical and general care	274.96
Farm:	
Cows and calves	261.52
Pigs and hogs	62.90
Hides	409.60
Bags	43.83
Barrels	9.30
Garage, stable and grounds	3.01
Repairs, ordinary	148.76
Total sales	4,606.30
Miscellaneous:	
Interest on bank balances	\$425.39
Rent	1,167.06
Interest patient's cash	294.60
	1,887.05
Total income	\$177,299.96

MAINTENANCE

Balance from previous year, brought forward	\$1,114.82
Appropriations, current year	
Chap. 146 Acts 1929	576,340.00

\$577,454.82

Expenses (as analyzed below)	\$566,916.98
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\$10,537.84

Balance reverting to Treasury of Commonwealth	\$10,537.84
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Analyses of Expenses

Personal services	\$277,986.17
Religious instruction	1,381.99
Travel, transportation and office expenses	6,749.99
Food	116,287.15
Clothing and materials	16,515.07
Furnishings and household supplies	32,017.04
Medical and general care	14,731.49
Heat, light and power	39,879.76
Farm	23,997.16
Garage, stable and grounds	7,602.50
Repairs ordinary	14,988.40
Repairs and renewals	14,780.26

Total expenses for Maintenance \$566 916.98

		SPECIAL APPROPRIATIONS	
Balance December 1, 1928			\$3,000.00
Appropriations for current year			37,000.00
Total			\$40,000.00
Expended during the year (see statement below)			\$27,913.11
Reverting to Treasury of Commonwealth			27,913.11
Balance November 30, 1929, carried to next year			\$12,086.89

OBJECT	Act or Resolve	Whole Amount	Expended during Fiscal Year	Total Expended to Date	Balance at End of Year
Salvage yard	127-1928	\$3,000.00	\$1,785.01	\$1,785.01	\$1,214.99
Addition to Codman Building	146-1929	37,000.00	26,128.10	26,128.10	10,871.90
		\$40,000.00	\$27,913.11	\$27,913.11	\$12,086.89

Balance reverting to Treasury of the Commonwealth during year (mark item with *),	-
Balance carried to next year,	\$12,086.89
Total as above,	\$12,086.89

PER CAPITA

During the year the average number of inmates has been 1,437.169.

Total cost for maintenance, \$566,916.98.

Equal to a weekly per capita cost of \$7.585. (52 weeks to year).

Receipt from sales, \$4,606.30.

Equal to a weekly per capita of \$.061.

All other institution receipts, \$172,693.66.

Equal to a weekly per capita of \$2.311.

Net weekly per capita, \$5.213.

Respectfully submitted,

CARRIE G. POOR, *Treasurer.*

STATISTICAL TABLES

AS ADOPTED BY THE AMERICAN PSYCHIATRIC ASSOCIATION
PRESCRIBED BY THE MASSACHUSETTS DEPARTMENT OF MENTAL DISEASES

TABLE 1. *General Information*

Data correct at end of hospital year November 30, 1929

1. Date of opening as a hospital for mental diseases, Dec. 1, 1886.
2. Type of hospital: State, county endowed private, or unendowed private
3. Hospital plant:

Value of hospital property:

Real estate, including buildings	\$1,129,513.35
Personal property	320,150.50

Total

Total acreage of hospital property owned, 763.93

Total acreage under cultivation during previous year, 316.15.

4. Officers and employees November 30, 1930

	Actually in Service at End of Year			Vacancies at End of Year		
	M.	F.	T.	M.	F.	T.
Superintendents	1	-	1	-	-	-
Assistant physicians	4	3	7	1	-	1
Total physicians	5	3	8	1	-	1
Stewards	1	-	1	-	-	-
Resident dentists	1	-	1	-	-	-
Pharmacists	-	1	1	-	-	-
Graduate nurses	-	21	21	-	6	6
Other nurses and attendants	65	53	118	1	-	1
Occupational therapists	2	8	10	-	-	-
Social workers	-	2	2	-	-	-
All other officers and employees	76	56	132	1	1	2
Total officers and employees	150	144	294	3	7	10

NOTE:— The following items, 5-10 inclusive, are for the year ended September 30, 1929.

5. Census of Patient population at end of year

	Actually in Hospital			Absent from Hospital but Still on books		
	M.	F.	T.	M.	F.	T.
White:						
Insane	619	825	1,444	92	121	213
All other cases	4	6	10	3	—	3
Total	623	831	1,454	95	121	216
Other races:						
Insane	17	6	23	1	1	2
Total	17	6	23	1	1	2
Grand Total	640	837	1,477	96	122	218

6. Patients under treatment in occupational-therapy classes, including physical training, on date of report	M.	F.	T.
7. Other patients employed in general work of hospital on date of report	34	254	288
8. Average daily number of all patients actually in hospital during year	414	346	760
9. Voluntary patients admitted during year	621.201	815.801	1,437.002
10. Persons given advice or treatment in out-patient clinics during year	4	2	6
	81	100	191

TABLE 2. Financial Statement

See treasurer's report for data requested under this table.

NOTE:— The following tables 3-19, inclusive, are for the Statistical year ended September 30, 1929.

TABLE 3. *Movement of Patient Population*

	INSANE			SANE VOLUNTARY			TEMPORARY CARE AND OBSERVATION			TOTAL ON BOOKS		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
Patients on books of Institution September 30, 1928	712	903	1,615	1	2	3	2	1	3	715	906	1,621
Admissions during year:												
First admissions	137	210	347	2	1	3	7	4	11	146	215	361
Readmissions	42	47	89	2	1	3	15	9	24	59	57	116
Transfers from other hospitals for mental diseases	7	12	19	—	—	—	—	—	—	7	12	19
Total received during year	186	269	455	4	2	6	22	13	35	212	284	496
Total on books during year	898	1,172	2,070	5	4	9	24	14	38	927	1,190	2,117
Discharged from books during year:												
As recovered	62	47	109	—	—	—	—	—	—	62	47	109
As improved	30	30	60	—	—	—	—	—	—	30	30	60
As unimproved	13	11	24	1	—	1	—	1	1	14	12	26
As without psychosis	—	—	—	3	2	5	22	9	31	25	11	36
Transferred to other hospitals for mental diseases	4	53	57	—	—	—	—	—	—	4	53	57
Died during year	56	76	132	—	—	—	—	2	2	56	78	134
Total discharged, transferred and died during year	165	217	382	4	2	6	22	12	34	191	231	422
Insane patients remaining on books of hospital at end of hospital year:												
In hospital	637	833	1,470	1	2	3	2	2	4	640	837	1,477
On parole or otherwise absent	96	122	218	—	—	—	—	—	—	96	122	218
Total	733	955	1,688	1	2	3	2	2	4	736	959	1,695

TABLE 4. *Nativity of First Admissions and of Parents of First Admissions*

NATIVITY	PATIENTS			PARENTS OF MALE PATIENTS			PARENTS OF FEMALE PATIENTS		
	M.	F.	T.	Fathers	Mothers	Both Parents	Fathers	Mothers	Both Parents
United States	86	121	207	34	39	26	61	71	56
Canada ¹	14	14	28	26	23	21	24	25	20
China	1	—	1	1	1	1	—	—	—
England	7	9	16	7	9	7	14	11	11
Finland	—	1	1	1	—	—	2	2	2
France	—	1	1	—	—	—	1	1	1
Germany	1	1	2	3	1	1	2	2	2
Greece	3	1	4	4	4	4	1	1	1
Ireland	6	26	32	29	28	23	56	52	50
Italy	9	13	22	10	10	10	14	14	14
Norway	—	1	1	1	1	1	—	1	—
Philippine Islands	—	—	—	—	—	—	—	1	—
Poland	1	5	6	3	3	3	6	5	5
Portugal	—	2	2	1	2	1	2	2	2
Roumania	—	1	1	—	—	—	1	1	1
Russia	3	4	7	3	3	3	4	4	4
Scotland	—	2	2	1	—	—	7	3	3
Sweden	1	1	2	3	3	3	2	2	2
Wales	—	1	1	—	1	—	2	1	1
West Indies ²	1	2	3	1	—	—	2	2	2
Other countries	3	4	7	5	4	4	5	5	5
Unascertained	1	—	1	4	5	4	4	4	4
Total.	137	210	347	137	137	112	210	210	186

¹Includes Newfoundland²Except Cuba and Porto Rico

TABLE 5. *Citizenship of First Admissions*

	M.	F.	T.
Citizens by birth	86	121	207
Citizens by naturalization	18	19	37
Aliens	32	70	102
Citizenship unascertained	1	—	1
Total	137	210	347

TABLE 6. *Psychoses of First Admissions*

PSYCHOSES	M.	F.	T.	M.	F.	T.
1. Traumatic psychoses	—	—	—	—	—	—
2. Senile psychoses	6	14	20	6	14	20
3. Psychoses with cerebral arteriosclerosis	29	35	64	29	35	64
4. General paralysis	10	5	15	10	5	15
5. Psychoses with cerebral syphilis	1	—	1	1	—	1
6. Psychoses with Huntington's chorea	1	—	1	1	—	1
7. Psychoses with brain tumor	—	1	1	—	1	1
8. Psychoses with other brain or nervous diseases, total	2	2	4	2	2	4
Other diseases	2	2	4	2	2	4
9. Alcoholic psychoses, total	13	3	16	13	3	16
Delirium tremens	2	—	2	2	—	2
Acute hallucinosis	9	3	12	9	3	12
Acute types, acute or chronic	2	—	2	2	—	2
10. Psychoses due to drugs and other exogenous toxins, total	2	—	2	2	—	2
Other exogenous toxins	2	—	2	2	—	2
11. Psychoses with pellagra	—	—	—	—	—	—
12. Psychoses with other somatic diseases, total	—	1	1	—	1	1
Other diseases or conditions	—	1	1	—	1	1
13. Manic-depressive psychoses, total	14	42	56	14	42	56
Manic-type	7	15	22	7	15	22
Depressive type	7	26	33	7	26	33
Other types	—	1	1	—	1	1
14. Involution melancholia	—	7	7	—	7	7
15. Dementia praecox (schizophrenia)	45	93	138	45	93	138
16. Paranoia and paranoid conditions	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	3	1	4
18. Psychoneuroses and neuroses, total	1	1	2	1	1	2
Hysterical type	1	—	1	1	—	1
Psychasthenic type (anxiety and obsessive forms)	—	1	1	—	1	1
19. Psychoses with psychopathic personality	7	1	8	7	1	8
20. Psychoses with mental deficiency	3	4	7	3	4	7
21. Undiagnosed psychoses	—	—	—	—	—	—
22. Without psychosis, total	—	—	—	—	—	—
Total	137	210	347	137	210	347

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses*

RACE	Total			Senile			With cerebral arterio-sclerosis			General paralysis			With cerebral syphilis			With Huntington's chorea		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	5	3	8	—	—	—	3	1	4	1	—	1	1	—	1	—	—	—
Armenian	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	39	74	113	4	6	10	12	17	29	4	1	5	—	—	—	1	—	1
Finnish	1	2	3	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
French	13	10	23	—	—	—	6	1	7	—	—	—	—	—	—	—	—	—
German	3	—	3	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Greek	4	1	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	2	5	7	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Irish	38	68	106	2	8	10	5	13	18	1	2	3	—	—	—	—	—	—
Italian ¹	10	14	24	—	—	—	1	1	2	2	—	2	—	—	—	—	—	—
Lithuanian	3	1	4	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Portuguese	3	2	5	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—
Scandinavian ²	4	3	7	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Scotch	—	5	5	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	3	10	13	—	—	—	—	1	1	—	2	2	—	—	—	—	—	—
Spanish	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	2	—	2	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	5	9	14	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—
Race unascertained	1	—	1	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Total	137	210	347	6	14	20	29	35	64	10	5	15	1	—	1	1	—	1

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Continued*

RACE	With brain tumor			With other brain or nervous diseases			Alcoholic			Due to drugs and other exogenous toxins			With other somatic diseases			Manic-depressive		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
English	—	—	—	—	1	1	1	1	2	1	—	1	—	—	—	4	13	17
Finnish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
French	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	2	2
German	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Greek	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	1
Hebrew	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—	1	2	3
Irish	—	—	—	1	—	1	5	—	5	1	—	1	—	1	1	5	11	16
Italian ¹	—	—	—	—	—	—	3	—	3	—	—	—	—	—	—	—	4	4
Lithuanian	—	—	—	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—
Portuguese	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	—	2
Scandinavian ²	—	—	—	—	—	—	—	1	1	—	—	—	—	—	—	1	—	1
Scotch	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	2	2
Slavonic ³	—	—	—	—	—	—	1	1	2	—	—	—	—	—	—	—	1	1
Spanish	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	1	5	6
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	1	1	2	2	4	13	3	16	2	—	2	—	1	1	14	42	56

¹Includes "North" and "South."²Norwegians, Danes, and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian Ruthenian, Servian, Slovak, Slovenian.

TABLE 7. *Race of First Admissions Classified with Reference to Principal Psychoses — Concluded*

RACE	Involution melancholia			Dementia praecox			Epileptic psychoses			Psycho- neuroses and neuroses			With psychopathic personality			With mental deficiency		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
African (black)	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Armenian	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Chinese	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
English	—	3	3	7	30	37	—	1	1	—	—	—	3	1	4	2	—	2
Finnish	—	—	—	1	1	2	—	—	—	—	—	—	—	—	—	—	—	—
French	—	—	—	5	3	8	1	—	1	—	1	1	—	—	—	—	3	3
German	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Greek	—	—	—	4	—	4	—	—	—	—	—	—	—	—	—	—	—	—
Hebrew	—	—	—	—	2	2	—	—	—	—	—	—	1	—	1	—	—	—
Irish	—	3	3	15	29	44	—	—	—	1	—	1	1	—	1	1	1	2
Italian ¹	—	—	—	3	9	12	1	—	1	—	—	—	—	—	—	—	—	—
Lithuanian	—	—	—	1	1	2	—	—	—	—	—	—	1	—	1	—	—	—
Portuguese	—	—	—	—	2	2	—	—	—	—	—	—	—	—	—	—	—	—
Scandinavian ²	—	—	—	2	2	4	—	—	—	—	—	—	—	—	—	—	—	—
Scotch	—	—	—	—	3	3	—	—	—	—	—	—	—	—	—	—	—	—
Slavonic ³	—	—	—	1	5	6	—	—	—	—	—	—	1	—	1	—	—	—
Spanish	—	—	—	—	1	1	—	—	—	—	—	—	—	—	—	—	—	—
Syrian	—	—	—	1	—	1	—	—	—	—	—	—	—	—	—	—	—	—
Mixed	—	—	—	3	3	6	1	—	1	—	—	—	—	—	—	—	—	—
Race unascertained	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	—	7	7	45	93	138	3	1	4	1	1	2	7	1	8	3	4	7

¹Includes "North" and "South."²Norwegians, Danes and Swedes.³Includes Bohemian, Bosnian, Croatian, Dalmatian, Herzegovinian, Montenegrin, Moravian, Polish, Russian, Ruthenian, Servian, Slovak, Slovenian.TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			15-19 years			20-24 years			25-29 years		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	6	14	20	—	—	—	—	—	—	—	—	—
3. With cerebral arteriosclerosis	29	35	64	—	—	—	—	—	—	—	—	—
4. General paralysis	10	5	15	—	—	—	1	—	1	—	1	1
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	1	—	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	2	4	—	—	—	1	—	1	—	—	—
9. Alcoholic	13	3	16	—	—	—	1	—	1	1	1	2
10. Due to drugs and other exogenous toxins	2	—	2	—	—	—	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	—	—	—	—	—	—	—	—
13. Manic-depressive	14	42	56	1	2	3	1	2	3	1	6	7
14. Involution melancholia	—	7	7	—	—	—	—	—	—	—	—	—
15. Dementia praecox	45	93	138	2	7	9	10	3	13	13	12	25
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	—	—	1	—	1	—	—	—
19. With psychopathic personality	7	1	8	3	—	3	1	—	1	—	—	—
20. With mental deficiency	3	4	7	1	1	2	—	—	—	2	—	2
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	137	210	347	7	10	17	16	5	21	17	20	37

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Continued*

PSYCHOSES	30-34 years			35-39 years			40-44 years			45-49 years		
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis	-	-	-	-	-	-	-	-	-	1	-	1
4. General paralysis	2	1	3	2	1	3	-	-	-	-	-	-
5. With cerebral syphilis	-	-	-	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	1	1	2	-	-	-	-	-	-	-	-	-
9. Alcoholic	3	-	3	1	-	1	2	2	4	3	-	3
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	1	1
13. Manic-depressive	2	7	9	1	6	7	2	4	6	-	3	3
14. Involution melancholia	-	-	-	-	-	-	-	2	2	-	2	2
15. Dementia praecox	6	14	20	5	19	24	3	13	16	2	3	5
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	1	-	1	-	1	1	1	-	1	1	-	1
18. Psychoneuroses and neuroses	-	1	1	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	-	-	-	-	-	-	1	1	1	-	1	1
20. With mental deficiency	-	1	1	-	-	-	-	-	-	-	1	1
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-
Total	15	25	40	9	27	36	8	22	30	8	10	18

TABLE 8. *Age of First Admissions Classified with Reference to Principal Psychoses — Concluded*

PSYCHOSES	50-54 years			55-59 years			60-64 years			65-69 years			70 years and over		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
2. Senile	-	-	-	-	3	3	2	6	8	2	2	4	2	3	5
3. With cerebral arteriosclerosis	2	1	3	1	4	5	2	4	6	2	6	8	21	20	41
4. General paralysis	1	2	3	1	-	1	1	-	1	1	-	1	1	-	1
5. With cerebral syphilis	-	-	-	1	-	1	-	-	-	-	-	-	-	-	-
6. With Huntington's chorea	-	-	-	-	-	-	1	-	1	-	-	-	-	-	-
7. With brain tumor	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic	2	-	2	-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
11. With pellagra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12. With other somatic diseases	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive	4	6	10	1	3	4	-	1	1	1	1	2	-	1	1
14. Involution melancholia	-	1	1	-	1	1	-	1	1	-	-	-	-	-	-
15. Dementia praecox	4	15	19	-	5	5	-	-	-	1	1	-	-	1	1
16. Paranoia and paranoid conditions	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
17. Epileptic psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality	1	-	1	-	-	-	1	-	1	-	-	-	-	-	-
20. With mental deficiency	-	1	1	-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total	15	28	43	4	16	20	8	12	20	6	10	16	24	25	49

TABLE 10. *Environment of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Urban			Rural		
	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—
2. Senile	6	14	20	6	14	20	—	—	—
3. With cerebral arteriosclerosis	29	35	64	26	35	61	3	—	3
4. General paralysis	10	5	15	10	5	15	—	—	—
5. With cerebral syphilis	1	—	1	1	—	1	—	—	—
6. With Huntington's chorea	1	—	1	1	—	1	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—
8. With other brain or nervous diseases	2	2	4	2	2	4	—	—	—
9. Alcoholic	13	3	16	12	3	15	1	—	1
10. Due to drugs and other exogenous toxins	2	—	2	1	—	1	1	—	1
11. With pellagra	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	1	1	—	—	—
13. Manic-depressive	14	42	56	13	41	54	1	1	2
14. Involution melancholia	—	7	7	—	7	7	—	—	—
15. Dementia praecox	45	93	138	42	92	134	3	1	4
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	3	1	4	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	1	2	—	—	—
19. With psychopathic personality	7	1	8	7	1	8	—	—	—
20. With mental deficiency	3	4	7	3	4	7	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—
Total	137	210	347	128	208	336	9	2	11

TABLE 11. *Economic Condition of First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Dependent			Marginal			Comfortable		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	6	14	20	—	—	—	6	14	20	—	—	—
3. With cerebral arteriosclerosis	29	35	64	—	—	—	29	35	64	—	—	—
4. General paralysis	10	5	15	—	—	—	10	5	15	—	—	—
5. With cerebral syphilis	1	—	1	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	1	—	1	—	—	—	1	—	1	—	—	—
7. With brain tumor	—	1	1	—	—	—	—	1	1	—	—	—
8. With other brain or nervous diseases	2	2	4	—	—	—	2	2	4	—	—	—
9. Alcoholic	13	3	16	—	—	—	13	3	16	—	—	—
10. Due to drugs and other exogenous toxins	2	—	2	—	—	—	2	—	2	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	—	—	—	1	1	—	—	—
13. Manic-depressive	14	42	56	—	—	—	14	42	56	—	—	—
14. Involution melancholia	—	7	7	—	—	—	—	7	7	—	—	—
15. Dementia praecox	45	93	138	—	—	—	45	93	138	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	—	—	—	3	1	4	—	—	—
18. Psychoneuroses and neuroses	1	1	2	—	—	—	1	1	2	—	—	—
19. With psychopathic personality	7	1	8	—	—	—	7	1	8	—	—	—
20. With mental deficiency	3	4	7	—	—	—	3	4	7	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	137	210	347	—	—	—	137	210	347	—	—	—

TABLE 12. *Use of Alcohol by First Admissions Classified with Reference to Principal Psychoses*

PSYCHOSES	Total			Abstinent			Temperate			Intemperate			Unascertained		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	6	14	20	4	13	17	—	1	1	2	—	2	—	—	—
3. With cerebral arteriosclerosis	29	35	64	23	35	58	3	—	3	3	—	3	—	—	—
4. General paralysis	10	5	15	4	5	9	2	—	2	3	—	3	1	—	1
5. With cerebral syphilis	1	—	1	—	—	—	—	—	—	1	—	1	—	—	—
6. With Huntington's chorea	1	—	1	1	—	1	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	2	2	4	2	2	4	—	—	—	—	—	—	—	—	—
9. Alcoholic	13	3	16	—	—	—	—	—	—	13	3	16	—	—	—
10. Due to drugs and other exogenous toxins	2	—	2	—	—	—	—	—	—	2	—	2	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	1	1	—	—	—	—	—	—	—	—	—
13. Manic-depressive	14	42	56	8	39	47	2	2	4	4	1	5	—	—	—
14. Involution melancholia	—	7	7	—	6	6	—	1	1	—	—	—	—	—	—
15. Dementia praecox	45	93	138	21	87	108	14	4	18	10	2	12	—	—	—
16. Paranoia and paranoid conditions	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
17. Epileptic psychoses	3	1	4	2	1	3	—	—	—	1	—	1	—	—	—
18. Psychoneuroses and neuroses	1	1	2	1	1	2	—	—	—	—	—	—	—	—	—
19. With psychopathic personality	7	1	8	5	1	6	1	—	1	1	—	1	—	—	—
20. With mental deficiency	3	4	7	2	3	5	—	1	1	1	—	1	—	—	—
21. Undiagnosed psychoses	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
Total	137	210	347	73	195	268	22	9	31	41	6	47	1	—	1

TABLE 14. *Psychoses of Readmissions*

PSYCHOSES	Males Females Total		
	Males	Females	Total
1. Traumatic psychoses	—	—	—
2. Senile psychoses	1	1	2
3. Psychoses with cerebral arteriosclerosis	3	3	6
4. General paralysis	1	—	1
5. Psychoses with cerebral syphilis	—	—	—
6. Psychoses with Huntington's chorea	—	—	—
7. Psychoses with brain tumor	—	—	—
8. Psychoses with other brain or nervous diseases	—	1	1
9. Alcoholic psychoses	1	—	1
10. Psychoses due to drugs and other exogenous toxins	1	—	1
11. Psychoses with pellagra	—	—	—
12. Psychoses with other somatic diseases	—	1	1
13. Manic-depressive psychoses	11	20	31
14. Involution melancholia	—	—	—
15. Dementia praecox	23	21	44
16. Paranoia and paranoid conditions	1	—	1
17. Epileptic psychoses	—	—	—
18. Psychoneuroses and neuroses	—	—	—
19. Psychoses with psychopathic personality	—	—	—
20. Psychoses with mental deficiency	—	—	—
21. Undiagnosed psychoses	—	—	—
22. Without psychosis	—	—	—
Total	42	47	89

TABLE 15. *Discharges of Patients Classified with Reference to Principal Psychoses and Condition on Discharge*

PSYCHOSES	Total			Recovered			Improved			Unimproved		
	M.	F.	T.	M.	F.	T.	M.	F.	T.	M.	F.	T.
1. Traumatic	—	—	—	—	—	—	—	—	—	—	—	—
2. Senile	1	3	4	1	—	1	—	2	2	—	1	1
3. With cerebral arteriosclerosis	12	3	15	4	1	5	3	1	4	5	1	6
4. General paralysis	2	—	2	—	—	—	1	—	1	1	—	1
5. With cerebral syphilis	—	—	—	—	—	—	—	—	—	—	—	—
6. With Huntington's chorea	—	—	—	—	—	—	—	—	—	—	—	—
7. With brain tumor	—	—	—	—	—	—	—	—	—	—	—	—
8. With other brain or nervous diseases	—	—	—	—	—	—	—	—	—	—	—	—
9. Alcoholic	11	1	12	8	1	9	2	—	2	1	—	1
10. Due to drugs and other exogenous toxins	1	1	2	1	1	2	—	—	—	—	—	—
11. With pellagra	—	—	—	—	—	—	—	—	—	—	—	—
12. With other somatic diseases	—	1	1	—	—	—	—	1	1	—	—	—
13. Manic-depressive	29	41	70	25	29	54	4	7	11	—	5	5
14. Involution melancholia	1	1	2	1	1	2	—	—	—	—	—	—
15. Dementia praecox	45	36	81	21	13	34	18	19	37	6	4	10
16. Paranoia and paranoid conditions	1	—	1	—	—	—	1	—	1	—	—	—
17. Epileptic psychoses	—	—	—	—	—	—	—	—	—	—	—	—
18. Psychoneuroses and neuroses	—	1	1	—	1	1	—	—	—	—	—	—
19. With psychopathic personality	1	—	1	—	—	—	1	—	1	—	—	—
20. With mental deficiency	—	—	—	—	—	—	—	—	—	—	—	—
21. Undiagnosed psychoses	1	—	1	1	—	1	—	—	—	—	—	—
22. Without psychosis	—	—	—	—	—	—	—	—	—	—	—	—
Total	105	88	193	62	47	109	30	30	60	13	11	24

TABLE 16. Causes of Death of Patients Classified with Reference to Principal Psychoses — Concluded

CAUSES OF DEATH	Involution melan- cholia	Dementia praecox	Paranoia and paranoid conditions	Epileptic psychoses	With mental deficiency	*All other psychoses
	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
<i>Epidemic, Endemic and Infectious Diseases</i>						
Tuberculosis of the respiratory system	-	3	2	5	-	-
Syphilis (non-nervous forms)	-	-	-	-	-	1
<i>General Diseases not Included in Class I</i>						
Cancer and other malignant tumors	-	-	2	2	-	-
Other general diseases	-	-	1	1	-	-
<i>Diseases of the Nervous System</i>						
Cerebral hemorrhage, apoplexy	-	-	-	-	-	-
General paralysis of the insane	-	-	-	-	-	1
Epilepsy	-	-	-	1	1	-
Other diseases of the nervous system	-	-	-	-	-	-
<i>Diseases of the Circulatory System</i>						
Endocarditis and myocarditis	-	1	4	5	-	-
Other diseases of the heart	-	2	2	4	-	-
Arteriosclerosis	-	2	1	3	1	-
Other diseases of the circulatory system	-	-	-	-	-	-
<i>Diseases of the Respiratory System</i>						
Bronchopneumonia	-	-	3	3	-	-
Lobar pneumonia	2	2	1	1	1	1
Pleurisy	-	-	-	-	-	-
<i>Diseases of the Digestive System</i>						
Hernia and intestinal obstruction	-	1	-	1	-	-
Other diseases of digestive system (cancer and tuberculosis excepted)	-	-	-	-	-	-
<i>Non-Veneral Diseases of Genito-Urinary System and Annera</i>						
Nephritis	1	1	-	-	-	2
Diseases of prostate	-	-	-	-	-	-
<i>Diseases of the Skin and of the Cellular Tissue</i>						
Other diseases of skin and annexa	-	-	-	-	1	-
Other Diseases not Included in above Groups	1	1	-	-	-	-
<i>External Causes</i>						
Other external causes	-	-	1	1	-	-
Total	4	9	18	27	1	1
					1	4

*Includes group 22, "without psychosis"

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses

PSYCHOSES									
	Total			20-24 years	25-29 years	30-34 years	35-39 years	40-44 years	
	T.								
	M.	F.	T.						
1. Traumatic	-	13	-	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	
2. Senile	4	17	-	-	-	-	-	-	
3. With cerebral arteriosclerosis	32	22	54	-	-	-	-	-	
4. General paralysis	3	3	6	-	-	-	2 1 3	-	
5. With cerebral syphilis	1	1	2	-	-	1 1	-	-	
6. With Huntington's chorea	-	-	-	-	-	-	-	-	
7. With brain tumor	-	-	-	-	-	-	-	-	
8. With other brain or nervous diseases	-	1	1	-	-	-	-	-	
9. Alcoholic	3	-	3	-	-	-	-	-	
10. Due to drugs and other exogenous toxins	-	-	-	-	-	-	-	-	
11. With pellagra	-	-	-	-	-	-	-	-	
12. With other somatic diseases	-	1	1	-	-	-	-	1 1	
13. Manic-depressive	2	10	12	-	-	-	-	-	
14. Involution melancholia	-	4	4	-	-	-	-	-	
15. Dementia praecox	9	18	27	1 1	2 1 3	2 2	1 1	3 3	
16. Paranoia and paranoid conditions	-	1	1	-	-	-	-	-	
17. Epileptic psychoses	1	1	1	-	-	-	-	-	
18. Psychoneuroses and neuroses	-	1	1	-	-	-	-	-	
19. With psychopathic personality	-	-	-	-	-	-	-	-	
20. With mental deficiency	1	1	2	-	-	-	-	1 1 2	
21. Undiagnosed psychoses	-	-	-	-	-	-	-	-	
22. Without psychosis	-	-	-	-	-	-	-	-	
Total	56	76	132	1 - 1	2 1 3	- 3 3	2 2 4	1 5 6	

TABLE 17. Age of Patients at Time of Death Classified with Reference to Principal Psychoses — Concluded

PSYCHOSES		45-49 years		50-54 years		55-59 years		60-64 years		65-69 years		70 years and over	
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.
1. Traumatic		-	-	-	-	-	-	-	-	-	-	-	-
2. Senile		-	-	-	-	-	-	-	-	-	-	-	-
3. With cerebral arteriosclerosis		-	-	-	-	-	-	-	-	-	-	-	-
4. General paralysis		-	-	2	-	1	1	1	2	3	5	2	10
5. With cerebral syphilis		1	1	2	1	1	-	2	3	4	5	23	14
6. With Huntington's chorea		-	-	-	-	-	-	-	-	-	-	-	-
7. With brain tumor		-	-	-	-	-	-	-	-	-	-	-	-
8. With other brain or nervous diseases		-	-	-	-	-	-	-	-	-	-	-	-
9. Alcoholic		-	-	-	-	-	-	-	-	-	-	-	-
10. Due to drugs and other exogenous toxins		-	-	-	-	-	-	-	-	-	-	-	-
11. With pellagra		-	-	-	-	1	1	1	1	1	1	-	-
12. With other somatic diseases		-	-	-	-	-	-	-	-	-	-	-	-
13. Manic-depressive		-	-	-	-	-	-	-	-	-	-	-	-
14. Involution melancholia		-	1	1	3	4	2	2	2	2	2	1	2
15. Dementia praecox		2	2	4	1	2	3	-	3	1	2	2	1
16. Paranoia and paranoid conditions		1	-	1	-	-	-	-	-	-	-	1	1
17. Epileptic psychoses		-	-	-	-	-	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses		-	-	-	-	-	-	-	-	-	-	-	-
19. With psychopathic personality		-	-	-	-	-	-	-	-	-	-	-	-
20. With mental deficiency		-	-	-	-	-	-	-	-	-	-	-	-
21. Undiagnosed psychoses		-	-	-	-	-	-	-	-	-	-	-	-
22. Without psychosis		-	-	-	-	-	-	-	-	-	-	-	-
Total		4	5	9	5	7	12	3	6	9	15	28	30

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TABLE 18. *Total Duration of Hospital Life of Patients Dying in Hospital Classified According to Principal Psychoses — Concluded*

PSYCHOSES		5-6 years	7-8 years	9-10 years	11-12 years	13-14 years	15-19 years	20 years and over
		M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.	M. F. T.
1. Traumatic	.	-	-	-	-	-	-	-
2. Senile	.	1 1	2 2	-	-	-	-	-
3. With cerebral arteriosclerosis	.	2 2	1 1	-	-	-	-	-
4. General paralysis	.	-	-	-	-	-	-	-
5. With cerebral syphilis	.	-	-	-	1 1	-	-	-
6. With Huntington's chorea	.	-	-	-	-	-	-	-
7. With brain tumor	.	-	-	-	-	-	-	-
8. With other brain or nervous diseases	.	-	-	-	-	-	-	-
9. Alcoholic	.	-	1 1	1 1	-	-	1	-
10. Due to drugs and other exogenous toxins	.	-	-	-	-	-	-	-
11. With pellagra	.	-	-	-	-	-	-	-
12. With other somatic diseases	.	-	-	-	-	-	-	-
13. Manic-depressive	.	1 1	1 1	-	1 1	1 1	1 1	-
14. Involution melancholia	.	-	-	-	-	-	-	-
15. Dementia praecox	.	1 1	1 1	2	1 1 2	-	4	4
16. Paranoia and paranoid conditions	.	-	1 1	-	-	-	-	-
17. Epileptic psychoses	.	-	-	-	-	-	-	-
18. Psychoneuroses and neuroses	.	-	1 1	-	-	-	-	-
19. With psychopathic personality	.	-	-	-	-	-	-	-
20. With mental deficiency	.	1 1 2	-	-	-	-	-	-
21. Undiagnosed psychoses	.	-	-	-	-	-	-	-
22. Without psychosis	.	-	-	-	-	-	-	-
Total	.	1 7 8	2 7 9	3 - 3	2 2 4	- 1 1	5 1 6	- 4 4

TABLE 19. *Family Care Department*

	Male	Female	Total
Remaining in Family Care Oct. 1, 1928	9	15	24
On visit from Family Care Oct. 1, 1928	—	—	—
Admitted during the year	6	11	17
Whole number of cases within the year	15	26	41
Dismissed within the year	5	10	15
Returned to institution	—	4	4
Discharged	—	1	1
On visit	5	5	10
Remaining in Family Care Sept. 30, 1929	10	16	26
Supported by State	—	—	—
Private	10	16	26
Self-supporting	—	—	—
Number of different persons within the year	10	22	32
Number of different persons dismissed	—	5	5
Number of different persons admitted	2	7	9
Average daily number in Family Care during the year	8.870	15.618	24.488
Supported by State	—	.191	.191
Private	8.870	15.427	24.297
Self-supporting	—	—	—